

Oblon, Spivak, et al.
Docket No. 292612US3PCT
Preliminary Amendment w/New Application
Inventor: Conard PISCIONERI, et al.

Claims 1-13 (Canceled)

Claim 14 (New): An insert configured to fit within a shoe comprising:

a first container containing a first material and configured to extend from a heel portion of the shoe toward a metatarsal region when the insert is inside the shoe; and

a second container containing a second material different from the first material, the second container including a surface in contact with contents of the first container and including a longitudinal axis that extends from the heel portion of the shoe toward the metatarsal region of the shoe when the insert is inside the shoe, the second container configured to rupture such that the second container is in fluid communication with the first container, the second container including,

a trunk extending in the direction of the longitudinal axis, and

a plurality of branches extending from the trunk toward an outer periphery of the shoe.

Claim 15 (New): The insert according to claim 14, wherein the branches extend from opposite sides of the trunk.

Claim 16 (New): The insert according to claim 15, wherein the branches extend from the trunk toward the metatarsal region so as to form an acute angle with the trunk, and the angle opens toward the metatarsal region.

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Claim 17 (New): The insert according to claim 16, wherein the branches are arranged such that at least one branch on a first side of the trunk is not directly opposite a branch on a second side of the trunk.

Claim 18 (New): The insert according to claim 14, wherein the second container includes a ring-shaped reservoir configured to rest in the heel portion of the shoe.

Claim 19 (New): The insert according to claim 14, wherein the trunk is centrally disposed relative to two lateral sides of the first container.

Claim 20 (New): The insert according to claim 14, wherein the first container completely surrounds the second container.

Claim 21 (New): The insert according to claim 14, wherein the second container is disposed on a bottom surface of the first container and has a free surface exposed to an exterior of the insert.

Claim 22 (New): The insert according to claim 21, wherein the free surface faces downward when the insert is inside the shoe.

Claim 23 (New): The insert according to claim 14, wherein the first container contains silicone resin.

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Claim 24 (New): The insert according to claim 14, wherein a wall of the first container comprises polyurethane.

Claim 25 (New): The insert according to claim 24, wherein the wall of the first container is 200-400 microns thick.

Claim 26 (New): The insert according to claim 14, wherein a wall of the second container comprises a same material as a wall of the first container.

Claim 27 (New): The insert according to claim 14, wherein a wall of the first container is configured to withstand a pressure of at least 100 kg/cm^2 without rupturing.

Claim 28 (New): The insert according to claim 14, wherein a wall of the second container is configured to rupture at a pressure of 5 kg/cm^2 or less.

Claim 29 (New): The insert according to claim 28, wherein the wall of the second container is configured to rupture at a pressure in the range of $2\text{-}3 \text{ kg/cm}^2$.

Claim 30 (New): The insert according to claim 14, wherein the insert is configured to be removed from the shoe.

Claim 31 (New): A method of forming a support in a shoe comprising:

manipulating the insert of claim 14 so as to rupture the second container and place the second container in fluid communication with the first container;

distributing the second material contained in the trunk and branches into the first material;

placing the insert into the shoe; and

placing a foot of a user inside the shoe.

Claim 32 (New): The method according to claim 31, further comprising rupturing the second container with a pressure greater than a rupture strength of the second container, but less than a rupture strength of the first container.

Claim 33 (New): The method according to claim 31, further comprising placing the insert into a seat provided in the shoe.

Claim 34 (New): The method according to claim 33, wherein the seat is provided in an intersole of the shoe.

Claim 35 (New): The method according to claim 33, wherein the seat is provided directly in a sole of the shoe.